

Amendment to the Drawings

Fig. 323 has been amended (sheet 276/331) as required and is enclosed, marked "Replacement Sheet".

REMARKS/ARGUMENTS

In response to the Examiner's further Office Action of April 11, 2007 issued with respect to the present RCE application, the Applicant respectfully submits the accompanying Amendment to the drawings and the below Remarks.

Regarding Amendment

In the Amendment, Fig. 323 is amended to clearly designate the top and bottom edges of Areas 1 and 2, as described at paragraphs [4369] and [4370] of the present specification.

It is respectfully submitted that the Amendment does not add new matter to the present application.

Regarding 35 USC 112, first paragraph Rejections

It is respectfully submitted that pending claim 1 complies with the written description and enablement requirements, for at least the following reasons.

The Examiner contends that the written description at paragraphs [4243]-[4355] and [4367]-[4370] of the present specification "fail to describe the final CMOS/MEMS structure", "merely add an aggregate listing of printing terminology" and fails "to describe the details of each process step" and that the "specification does not provide a figure showing the final CMOS/MEMS structure" and Fig. 323 "fails to label the 'top' and 'bottom' of each respective area".

However, it is respectfully submitted that the description in these paragraphs is replete with details of the printhead integrated circuits to which the claimed invention is directed. For example, paragraph [4300] describes the power supply pads of the printhead integrated circuits, paragraph [4302] describes the power requirements of the MEMS device with respect to these power supply pads, paragraph [4322] in Table 2 provides detail of all of the input and output pins of the printhead integrated circuits, and paragraphs [4323]-[4366] describe the structure and functioning of these pins, including the fire register bits at paragraph [4323], the data pins at paragraph [4332] and the relationship between the data lines and FrClk at paragraph [4335].

Based on these descriptions, and without a figure showing the final structure, it is respectfully submitted that one of ordinary skill in the art can easily predict the final CMOS/MEMS structure and the manner of arriving at this structure, see MPEP §2164.03.

That is, the claimed invention, as defined in pending claim 1, is directed to the arrangement in the printhead integrated circuit of the microelectromechanical inkjet nozzle rows across the stitch parts of the sequentially arranged reticle exposed areas, and any additional structural components of the printhead integrated circuit not explicitly defined in the claim are merely those components that one of ordinary skill in the art can easily predict

Further, Fig. 323 has been amended as discussed above to clearly designate the top and bottom edges of Areas 1 and 2, as described at paragraphs [4369] and [4370] of the present specification.

Furthermore, if the Examiner remains of the opinion that pending claim 1 is not enabled, the Applicant respectfully requests the Examiner to communicate limitations that would render claim 1 enabled that the Examiner has recognised, see MPEP §2164.04.

Regarding 35 USC 112, second paragraph Rejections

It is respectfully submitted that pending claim 1, and therefore pending dependent claims 20, 21 and 24 clearly points out what is included or excluded by the claim language, for at least the following reasons.

The Examiner contends that “there resides no final CMOS/MEMS structure in the claims” and therefore “one of ordinary skill in the art would not be able to ascertain the metes and bounds” of the claim.

However, pending claim 1 explicitly recites the arrangement in the printhead integrated circuit of the microelectromechanical inkjet nozzle rows across the stitch parts of the sequentially arranged reticle exposed areas. Any additional structural components of the printhead integrated circuit not explicitly defined in claim 1 are merely those components that one of ordinary skill in the art can easily predict, and are therefore implicitly recited. The Examiner reminded that the breadth of a claim is not to be equated to indefiniteness, see MPEP §2173.04.

Regarding 35 USC 102(e) Rejections

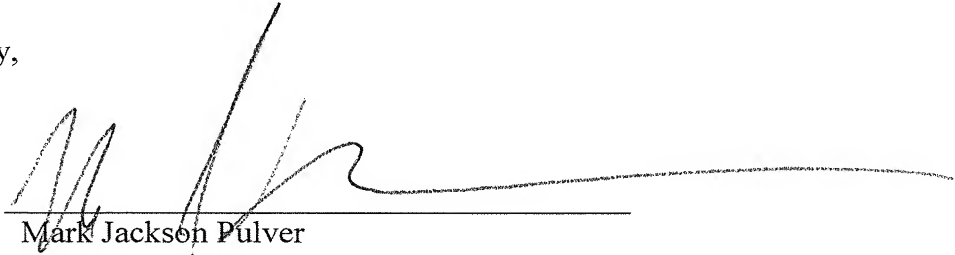
It is respectfully submitted that the subject matter of pending independent claim 1 is not disclosed by previously cited Jarrold, because Jarrold specifically discloses forming the printhead 10 monolithically on the substrate 13 to have the array of inkjet devices 12 (see paragraph [0022]). Thus, Jarrold clearly does not disclose, or suggest, the arrangement of the claimed invention.

Therefore, the subject matter of amended independent claim 1, and claims 20, 21 and 24 dependent therefrom, is not disclosed or suggested by Jarrold.

It is respectfully submitted that all of the Examiner's rejections have been traversed. Accordingly, it is submitted that the present application is in condition for allowance and reconsideration of the present application is respectfully requested.

Very respectfully,

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